

ARL is an Authority on Nutrition and the Science of Balancing Body Chemistry Through Hair Tissue Mineral Analysis!

Hair Tissue Mineral Analysis

home About Hair Analysis

Lab Profile

Educational Material

Mineral Information

Contact

Chromium

Home » Mineral Information » Chromium



Sources Of Chromium

Seafood -	oysters
Meats -	calves' liver, egg yolk
Nuts/seeds -	peanuts
Fruit -	grape juice
Dairy -	American cheese
Grains -	wheat and wheat germ
Miscellaneous -	brewer's yeast, black pepper, molasses

Roles In The Body

- Glucose tolerance factor chromium is involved in maintaining blood sugar levels and energy levels.
- Cholesterol regulation
- Other possible roles involved in the synthesis of DNA

Functions Of Chromium

Circulatory -	serum cholesterol regulation
Digestive -	sugar and carbohydrate utilization (via insulin)
Nervous -	maintenance of nervous system by regulation of blood sugar
Eyes -	corneal clarity
Muscular -	supplies energy for muscular contraction
Skeletal -	essential component of bones and hair
Protective -	immune system (via insulin)
Metabolic -	fat, protein, and carbohydrate metabolism regulation

Synergetic Nutrients

insulin, glucose, magnesium, vitamin B6, zinc, manganese oxalates, salicylates

Antagonistic Nutrients

Absorption -	iron, manganese, zinc, vanadium, phytates
Metabolic -	glucagon

Hair Analysis Notes

High Hair Chromium:

• a high chromium level is often indicative of a loss of chromium through the hair, and is frequently caused by an iron toxicity or another mineral imbalance problem.

Low Hair Chromium:

- supplementing chromium when chromium reading is low, is frequently helpful in correcting symptoms of fatigue, or sugar and carbohydrate intolerance.
- excessive iron intake is a frequent cause of both high and low chromium levels.1

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